

CHAPTER-3 | A PEEK BEYOND THE POINT

QUIZ
PART-22

1. In the sequence 4.4, 4.8, 5.2, 5.6, 6.0, the change each time is

- A. +0.2
- B. +0.3
- C. +0.4
- D. +0.5 (C)

Explanation: Each term increases by 0.4: 4.4 to 4.8, 4.8 to 5.2, and so on.

2. What is the next term after 6.0 in that sequence?

- A. 6.2
- B. 6.3
- C. 6.4
- D. 6.5 (C)

Explanation: Since the pattern is +0.4, the next term is $6.0 + 0.4 = 6.4$.

3. In the sequence 4.4, 4.45, 4.5, ... the change is

- A. +0.05
- B. +0.5
- C. +0.15
- D. +0.01 (A)

Explanation: $4.45 - 4.4 = 0.05$ and $4.5 - 4.45 = 0.05$.

4. What is the next term in 25.75, 26.25, 26.75, ... ?

- A. 27.15
- B. 27.25
- C. 27.75
- D. 28.25 (B)

Explanation: The pattern is +0.50, so $26.75 + 0.50 = 27.25$.

5. What is the next term in 10.56, 10.67, 10.78, ... ?

- A. 10.89
- B. 10.88
- C. 10.79
- D. 11.01 (A)

Explanation: The increase is +0.11 each time, so $10.78 + 0.11 = 10.89$.

6. What is the next term in 13.5, 16, 18.5, ... ?

- A. 20
- B. 20.5
- C. 21
- D. 19.5 (C)

Explanation: The pattern is +2.5 each time. So, $18.5 + 2.5 = 21$.

7. What is the next term in 8.5, 9.4, 10.3, ... ?

- A. 10.9
- B. 11.2
- C. 11.3
- D. 12.3 (B)

Explanation: The sequence increases by 0.9 each time, so $10.3 + 0.9 = 11.2$.

8. In the sequence 5, 4.95, 4.90, ... the numbers are

- A. increasing by 0.05
- B. decreasing by 0.05
- C. decreasing by 0.5
- D. increasing by 0.5 (B)

Explanation: 5.00 to 4.95 and 4.95 to 4.90 both show a decrease of 0.05.

9. What is the next term in 12.45, 11.95, 11.45, ... ?

- A. 10.95
- B. 11.05
- C. 10.45
- D. 12.95 (A)

Explanation: The sequence decreases by 0.50 each time, so $11.45 - 0.50 = 10.95$.

10. What is the next term in 36.5, 33, 29.5, ... ?

- A. 27
- B. 26.5
- C. 25.5
- D. 28 (B)

Explanation: The pattern is -3.5 each time, so $29.5 - 3.5 = 26.5$.